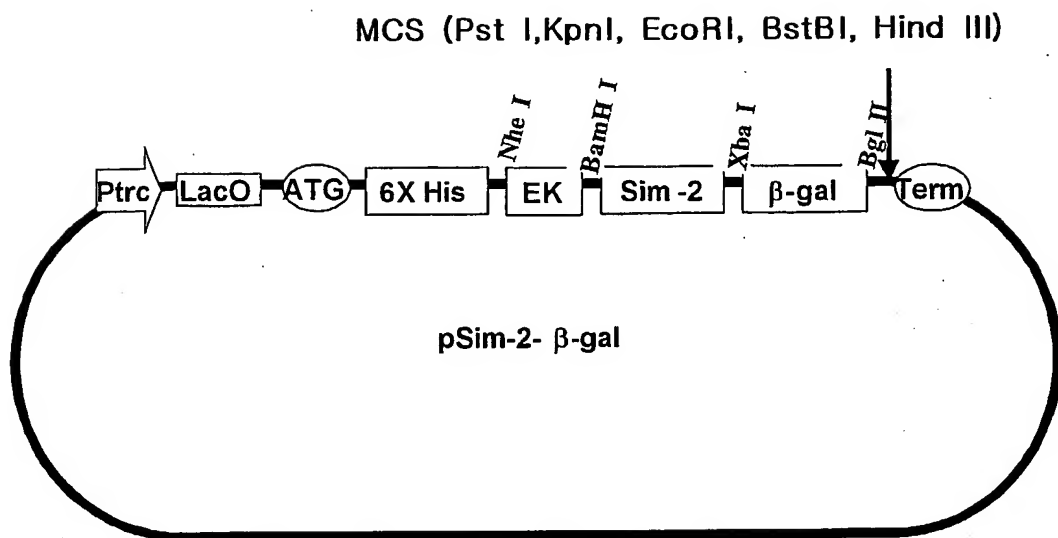


1/31

FIG.1A



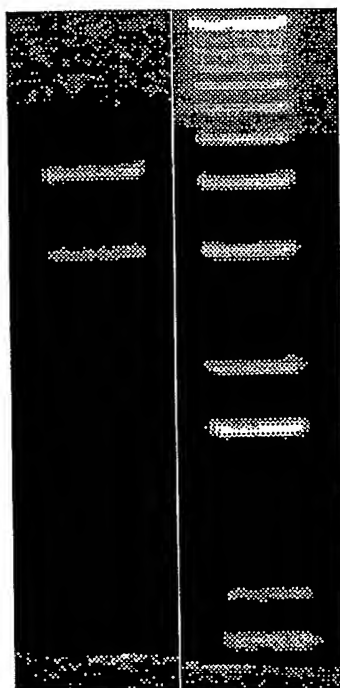
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10/501964

2/31

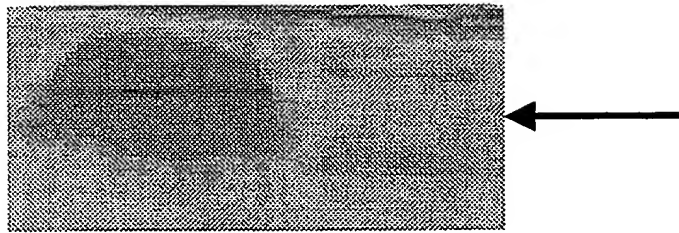
FIG.1B

1 2



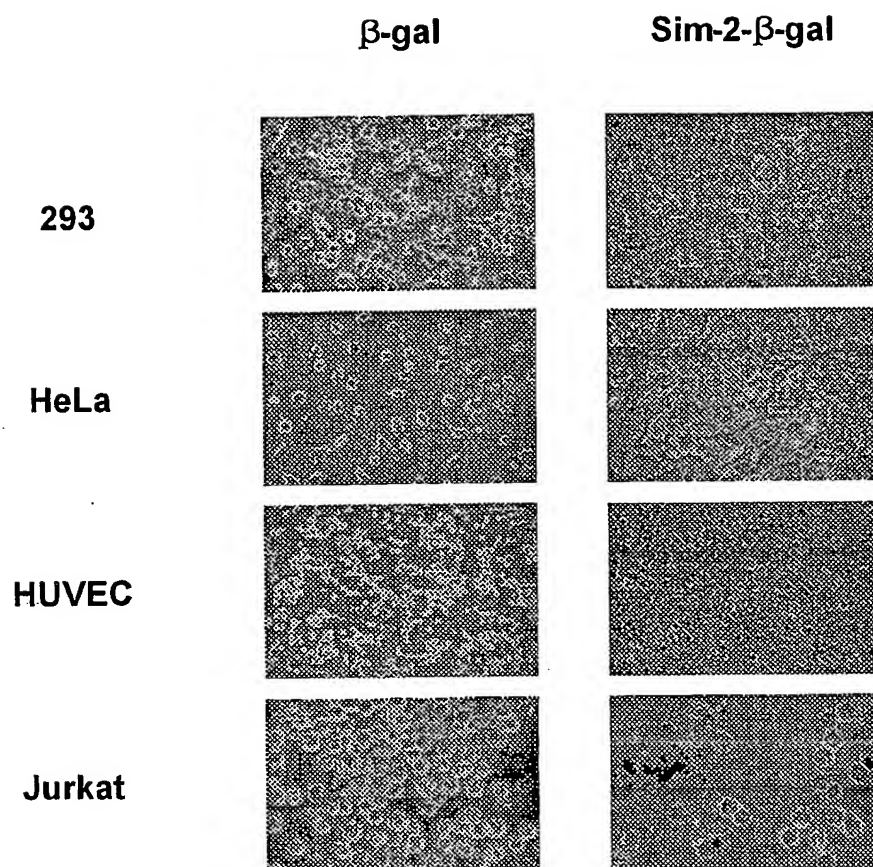
3/31

FIG. 2



4/31

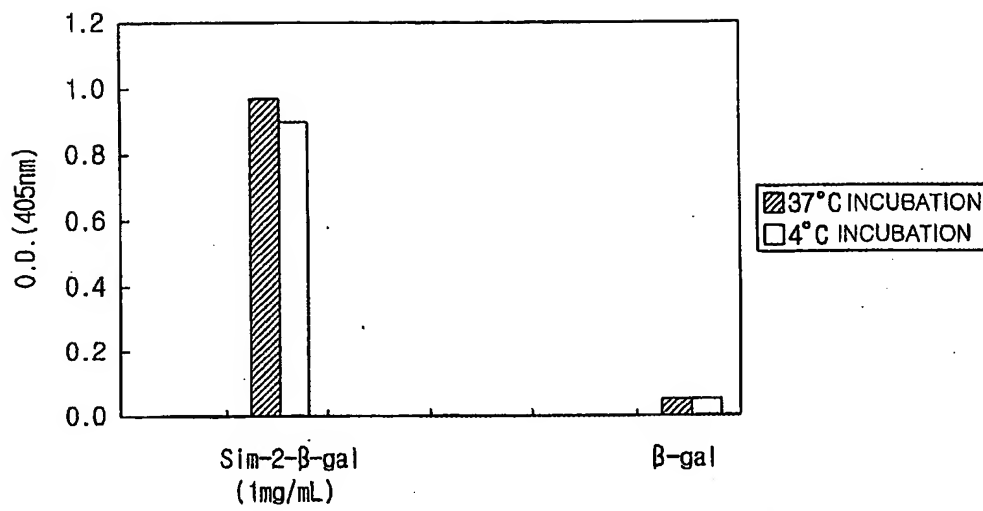
FIG. 3A



10/501964

5/31

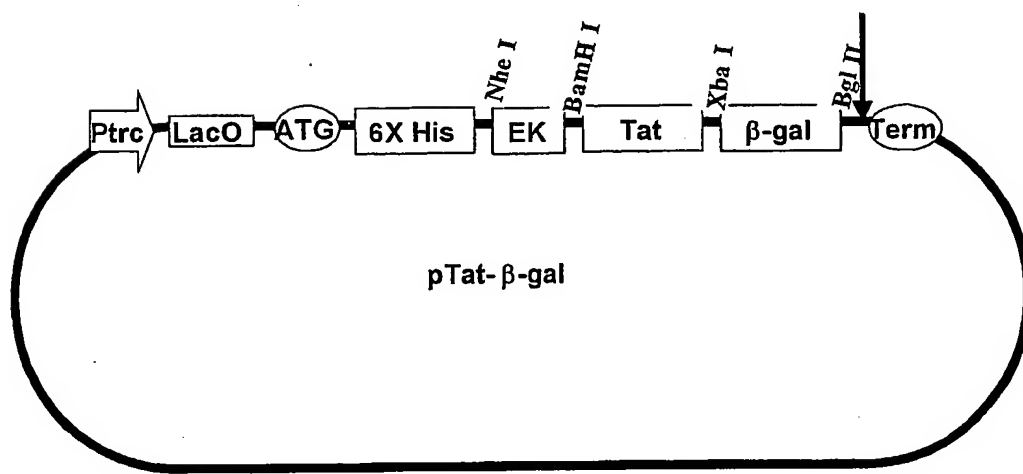
FIG. 3B



6/31

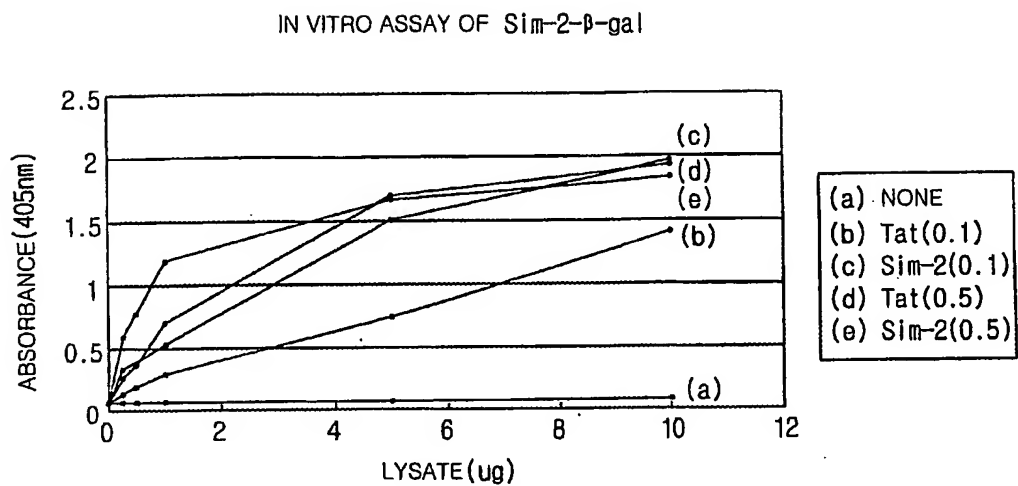
FIG. 4A

MCS (Pst I, KpnI, EcoRI, BstBI, Hind III)



7/31

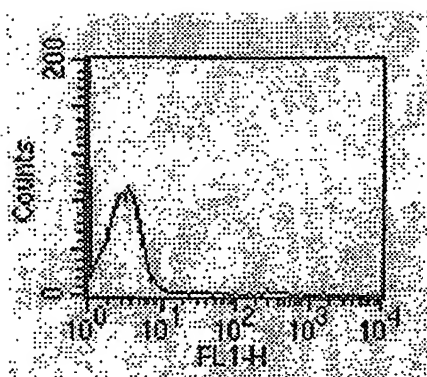
FIG. 4B



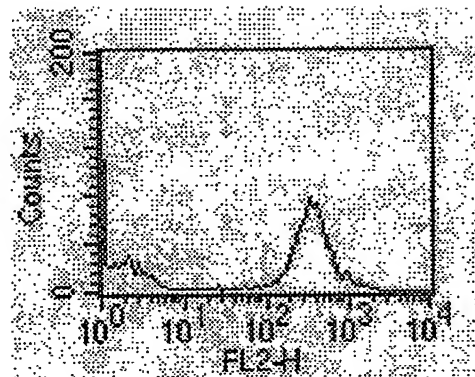
10/501964

8/31

FIG. 4C



Negative control



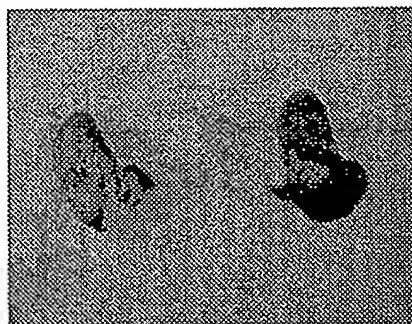
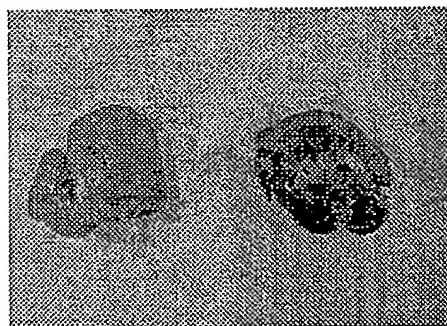
Sim-2(7mer)-FITC

9/31

FIG. 5A

liver

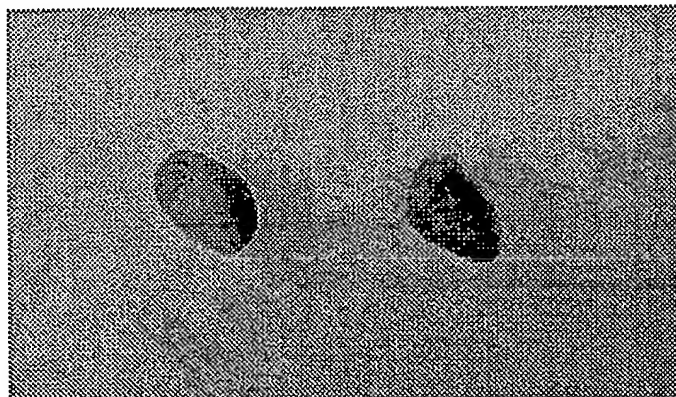
lung



β -gal Sim-2- β -gal

β -gal Sim-2- β -gal

Heart

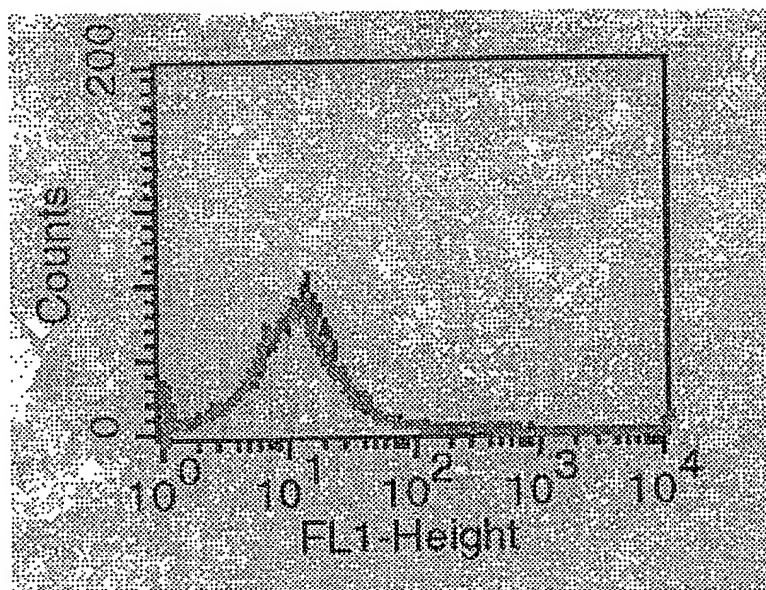


β -gal

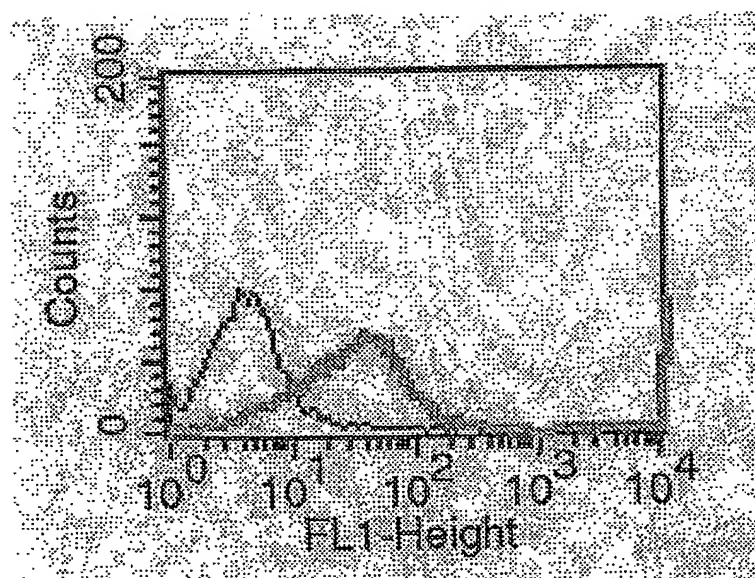
Sim-2- β -gal

10/31

FIG. 5B



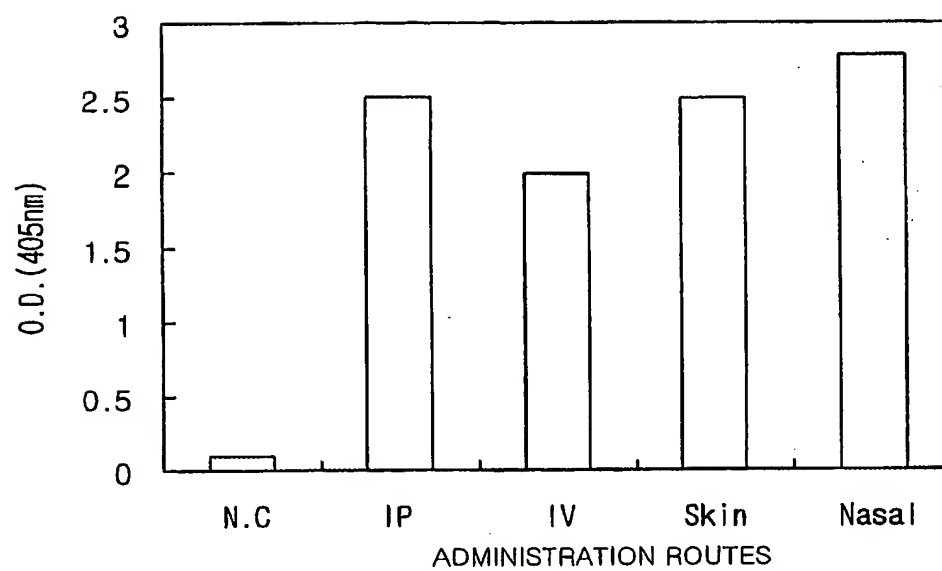
EGFP only



Sim-2-EGFP(50nM)

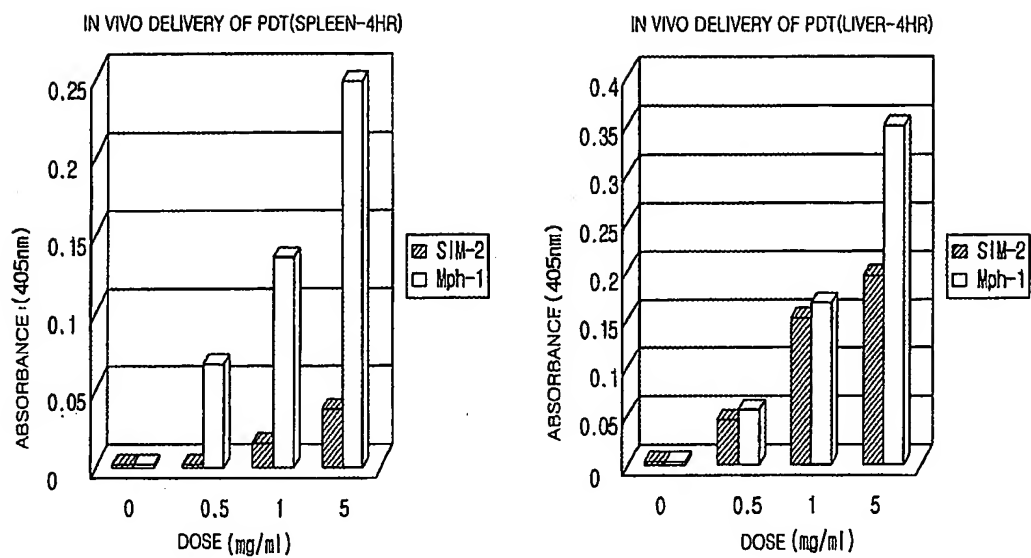
11/31

FIG.5C



12/31

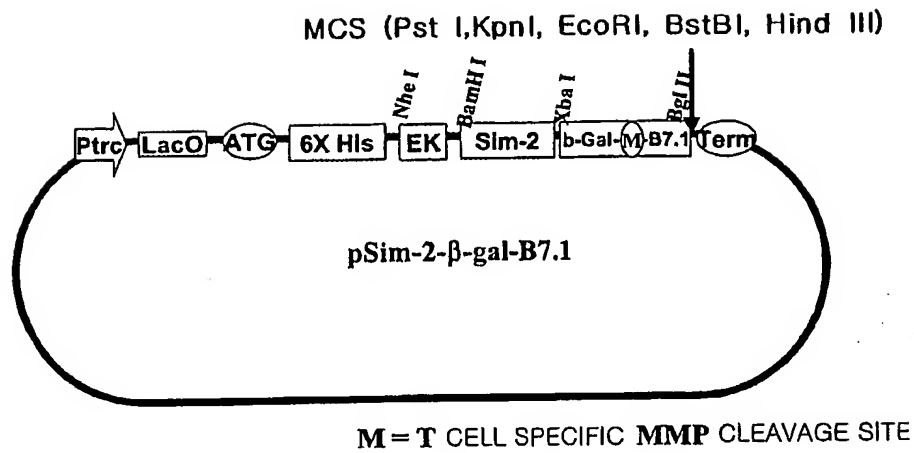
FIG. 5D



10/501964

13/31

FIG. 6A

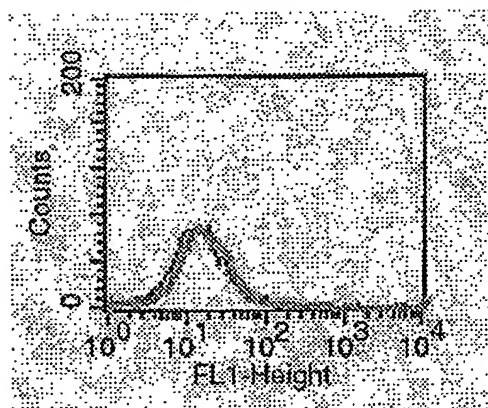


10/501964

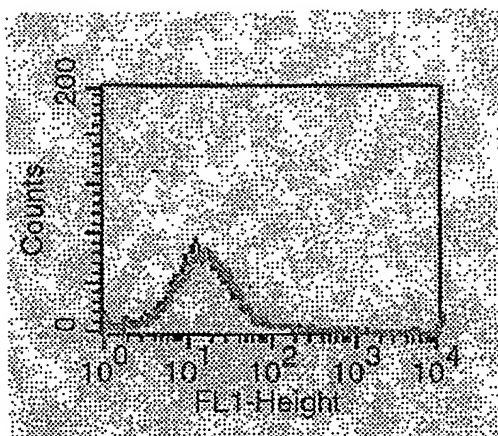
14/31

FIG. 6B

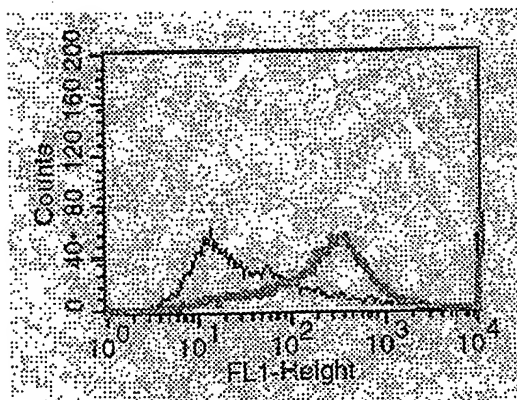
Isotype control



B cell



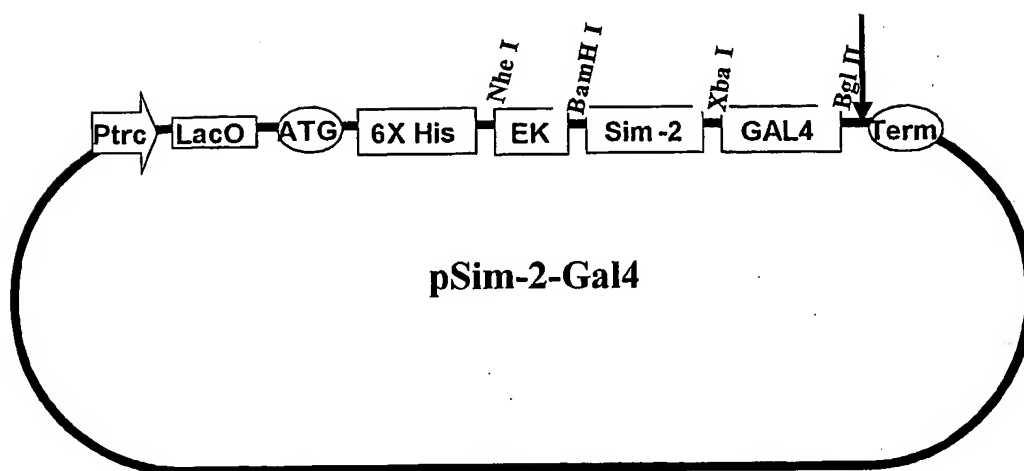
T cell



15/31

FIG. 7

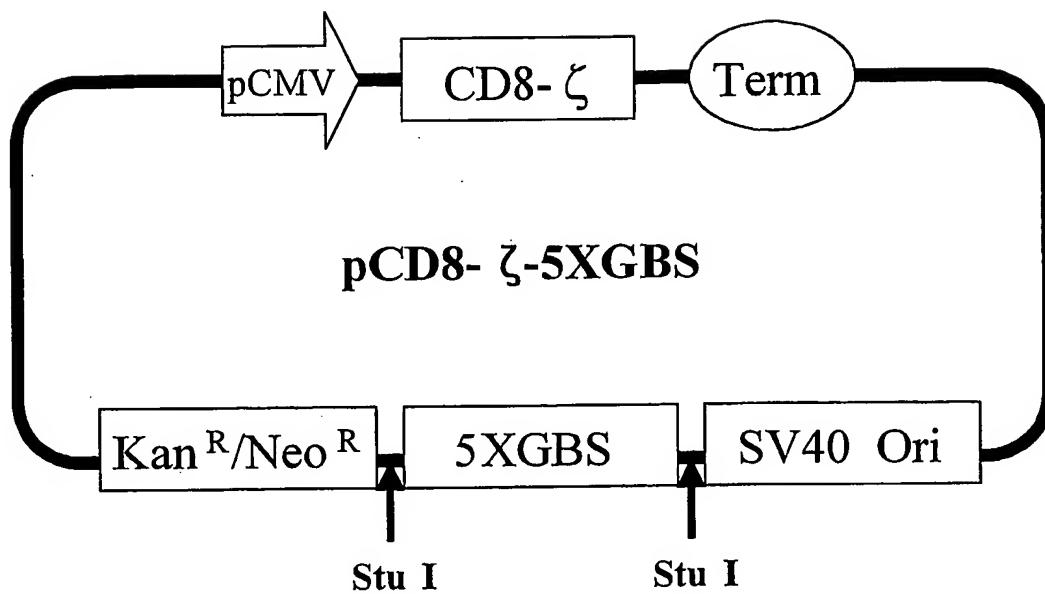
MCS (Pst I, KpnI, EcoRI, BstBI, Hind III)



10/501964

16/31

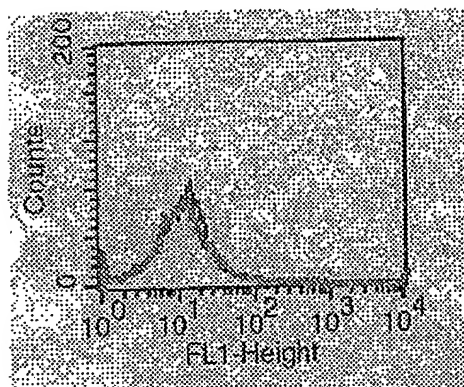
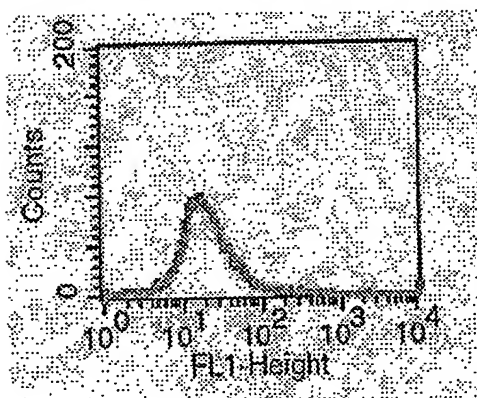
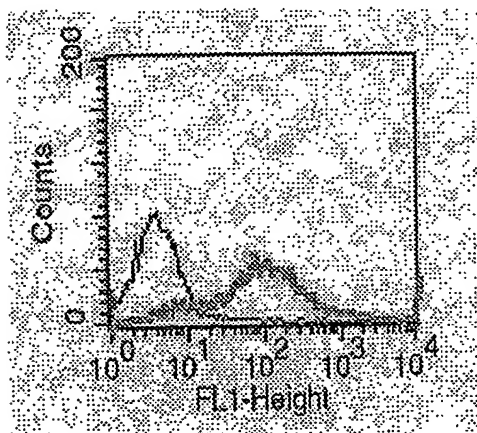
FIG. 8



17/31

FIG. 9A

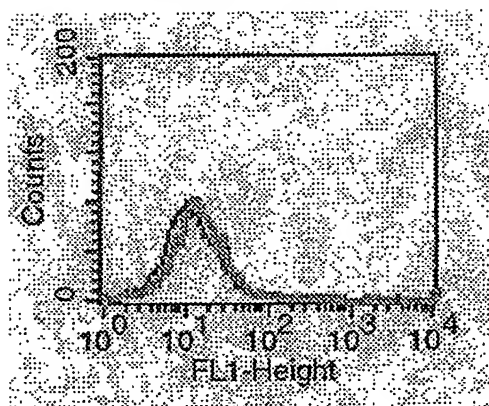
Sim-2 only

pCD8- ζ -5XGBS onlySim-2 + pCD8- ζ -5XGBS

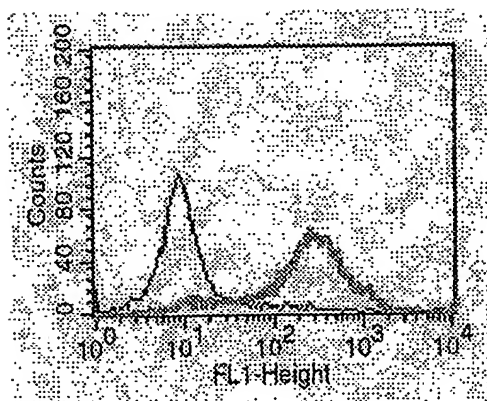
18/31

FIG. 9B

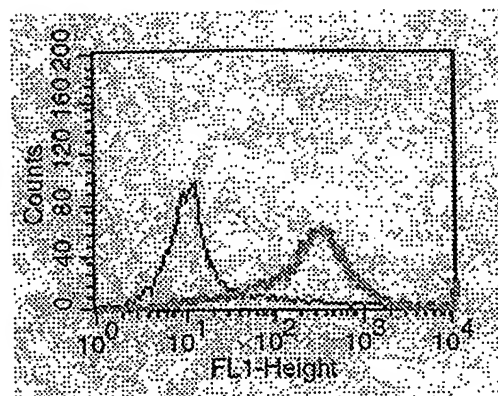
Isotype control



Splenocyte

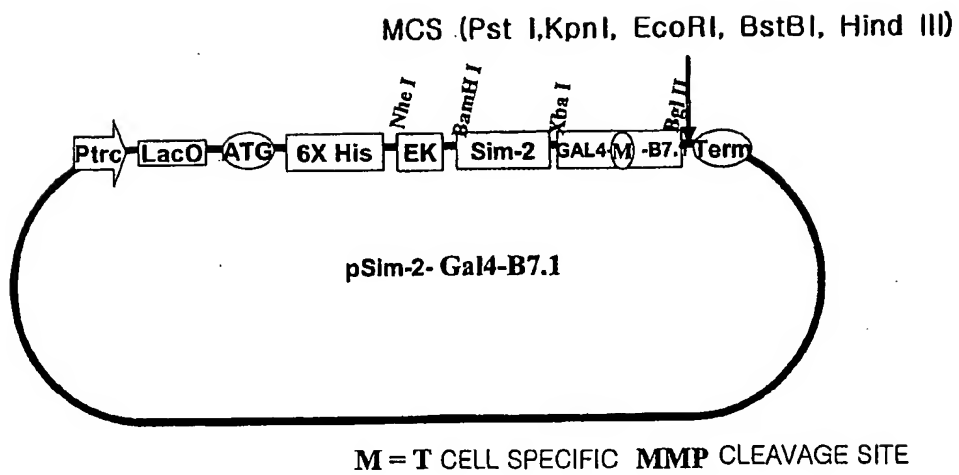


T cell



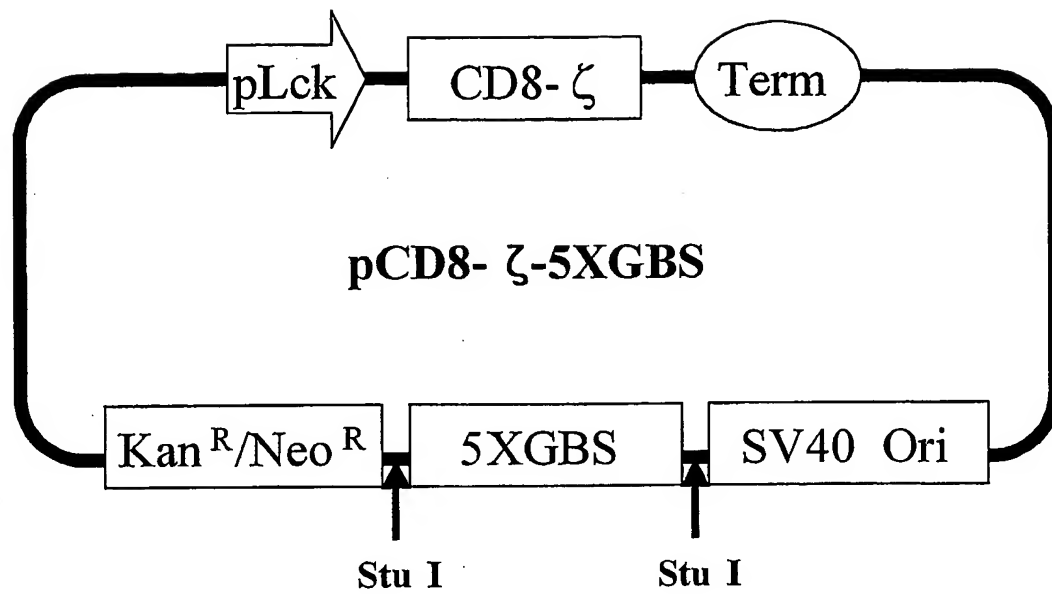
19/31

FIG. 10A



20/31

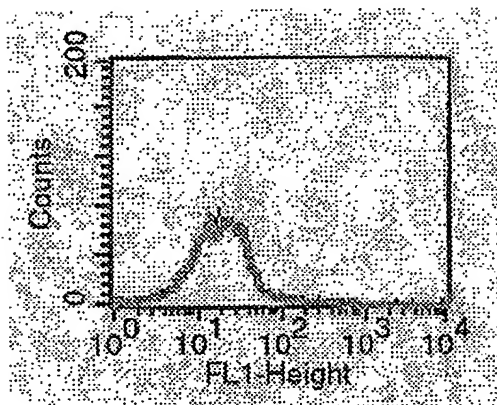
FIG. 10B



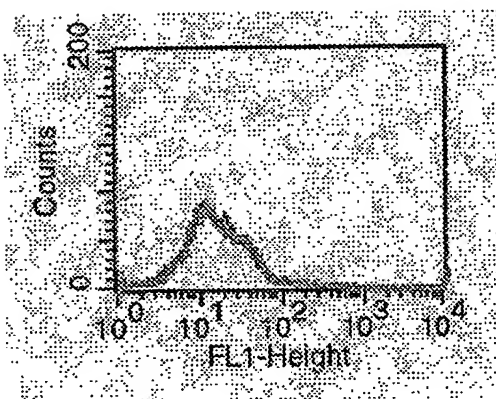
21/31

FIG. 10C

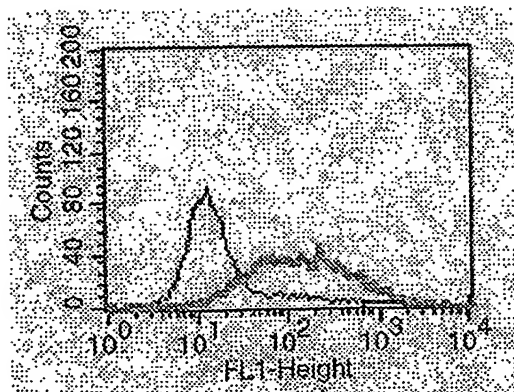
Isotype control



B cell



T cell

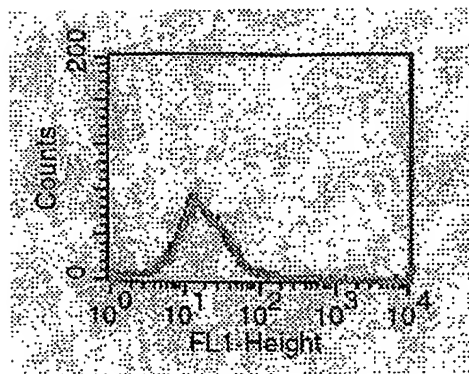


10/501964

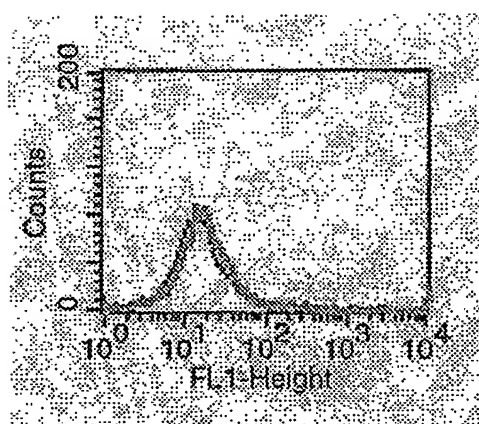
22/31

FIG. 10D

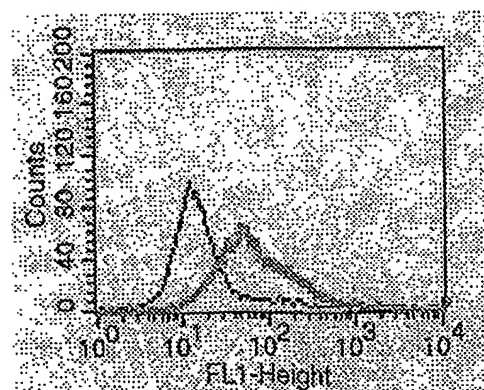
Isotype control



B cell



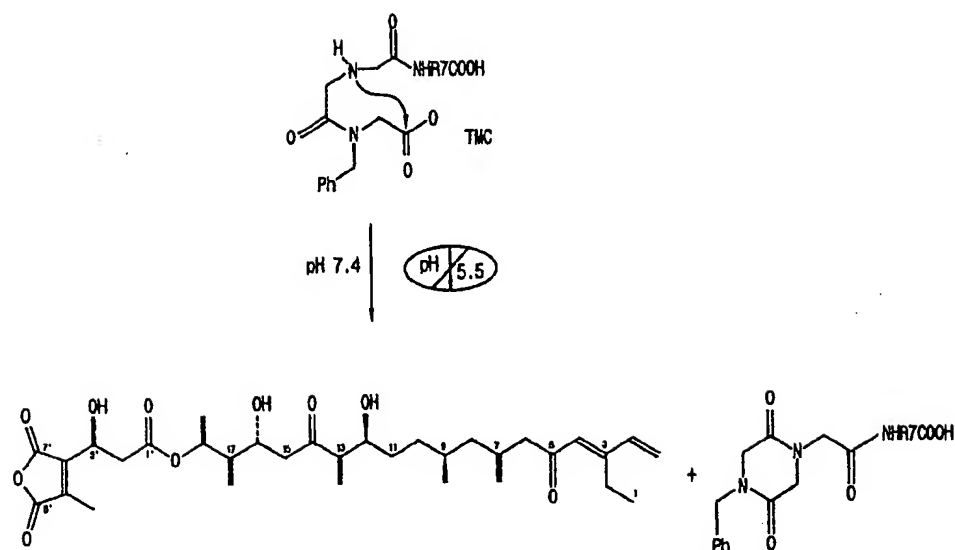
T cell



10/501964

23/31

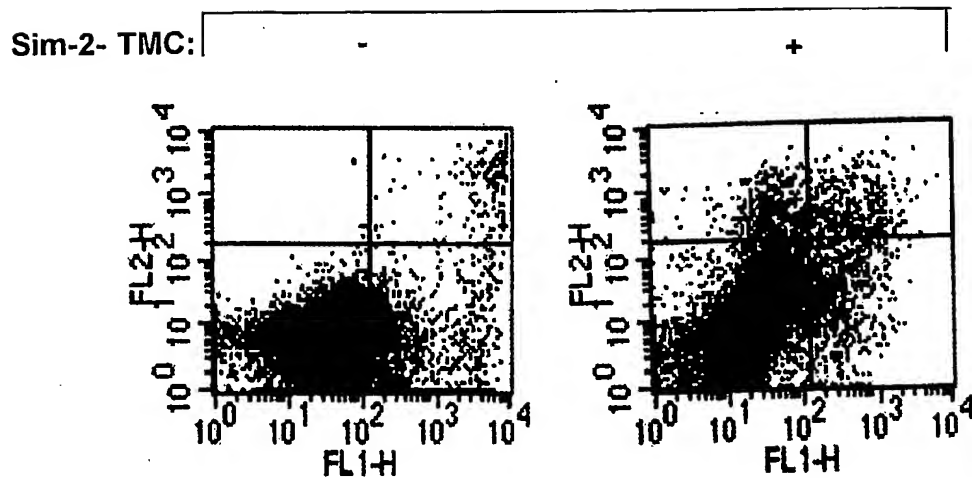
FIG. 11A



10/501964

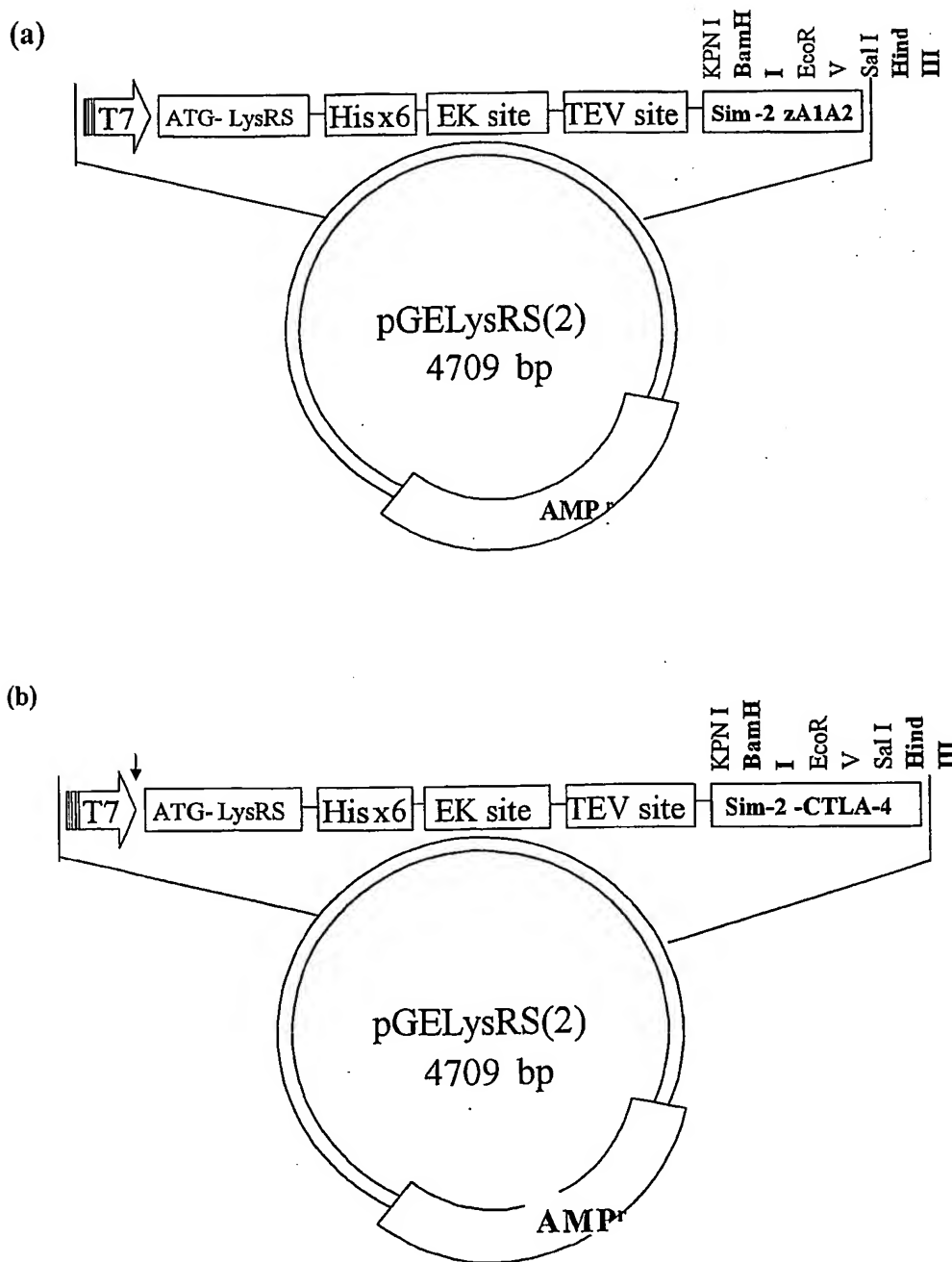
24/31

FIG. 11B



25/31

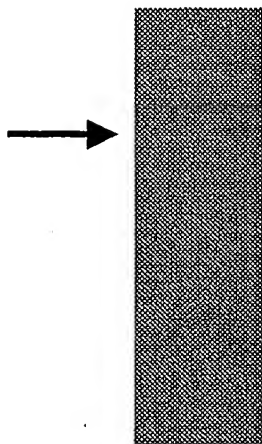
FIG. 12



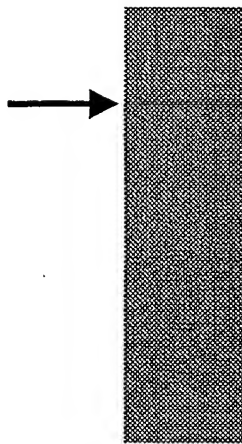
26/31

FIG. 13

(a)



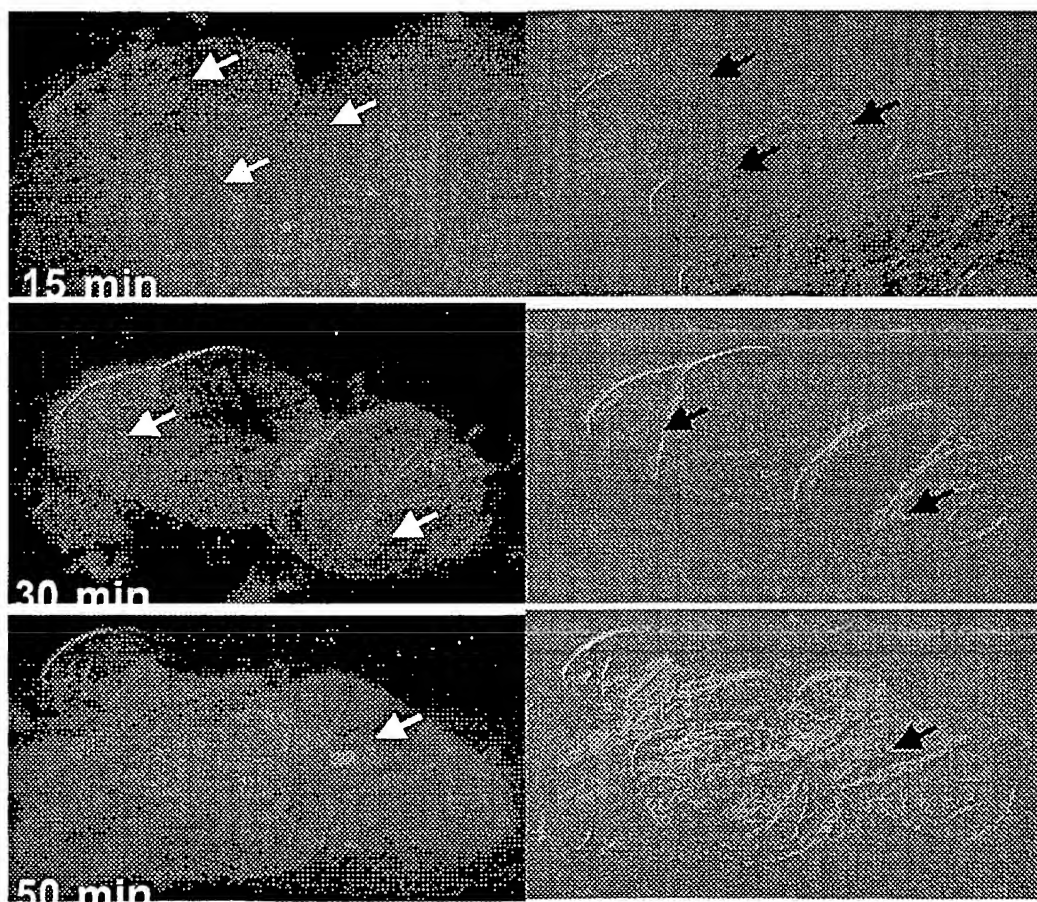
(b)



10/501964

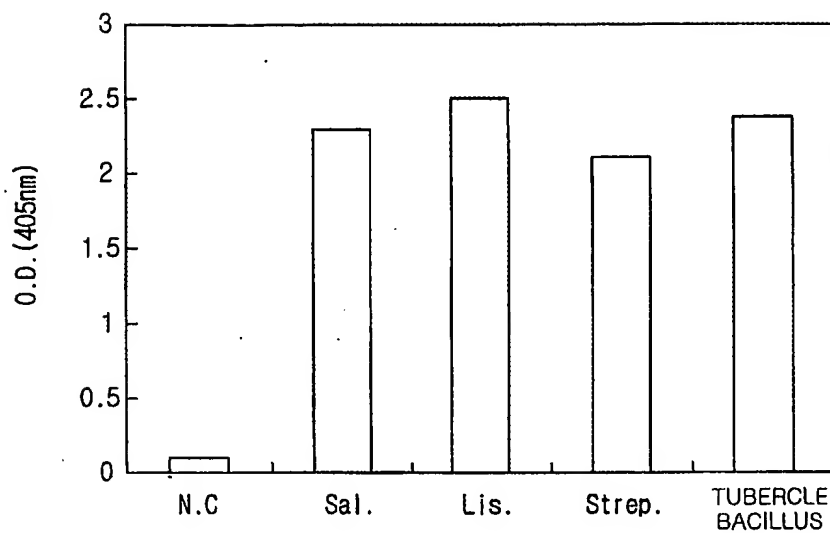
27/31

FIG. 14



28/31

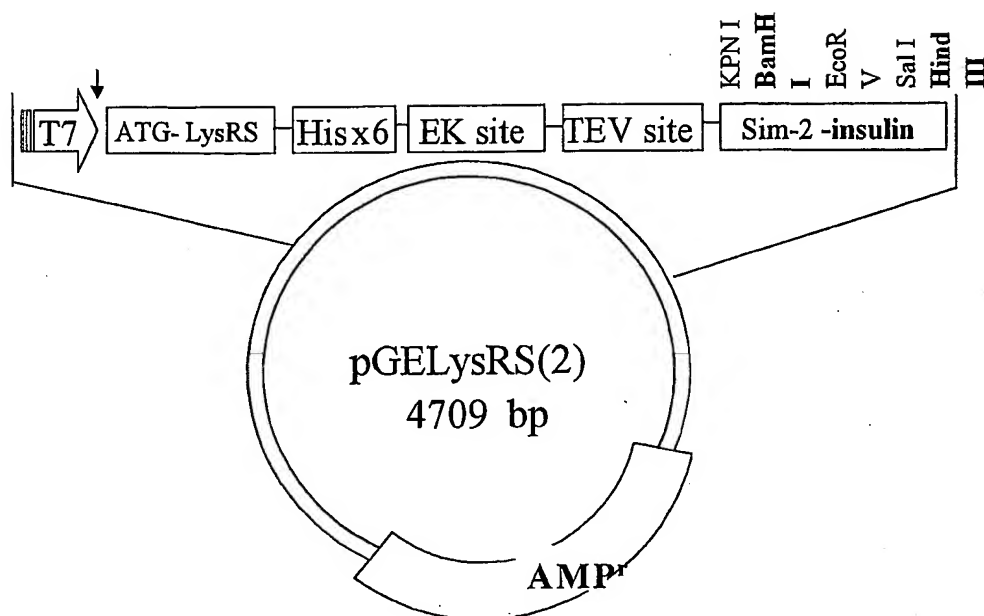
FIG. 15



10/501964

29/31

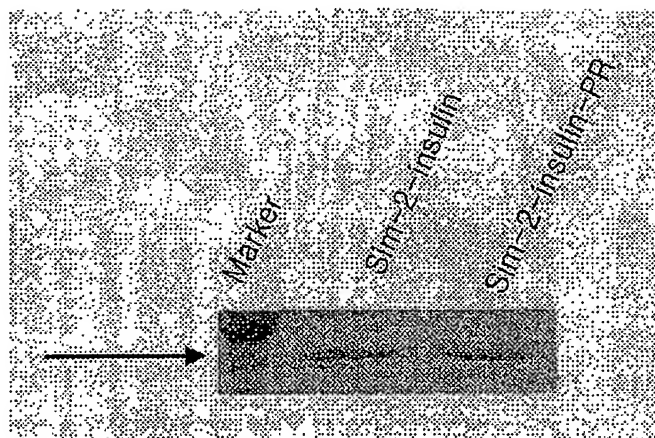
FIG. 16



10/501964

30/31

FIG. 17A

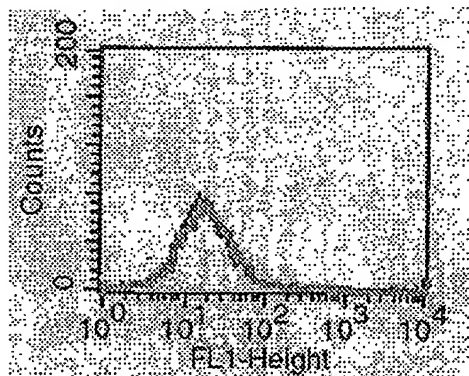


10/501964

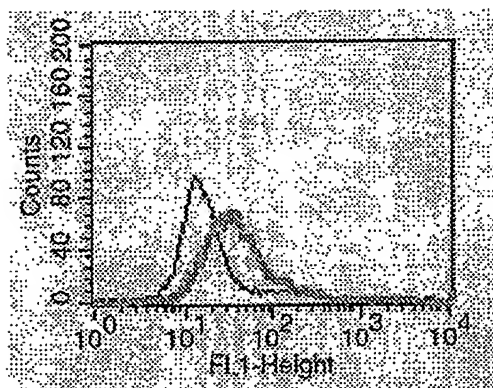
31/31

FIG. 17B

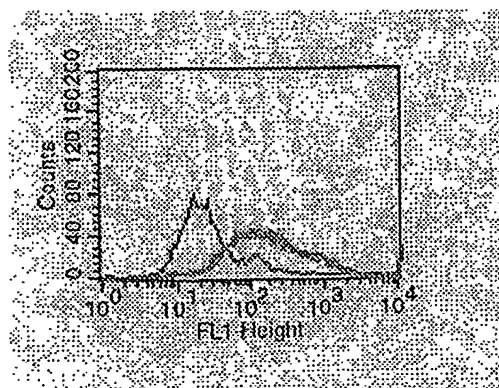
Recombinant insulin



Sim-2-insulin



Sim-2-insulin-PR



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